

OUTLOOK

The University of Maryland College Park

December 8, 1986

News Briefs

New Faculty Tabloid To Be Published

This week UMCP faculty will receive a new independent faculty tabloid called *The Faculty Voice*. The initial publication of the new faculty-produced newspaper is set for the week of December 8, with subsequent issues planned for February, March, April, and May, according to philosophy professor Alan Pasch, who has helped plan the tabloid and serves on the Board of Editors for the new publication.

The Managing Editor of *The Faculty Voice* is Judith Neri, who also is a member of the editorial board. Others include Barbara Bergmann (Economics), Jean Grambs (Child Study), Benjamin Holman (Journalism), and Reed Whittemore (Faculty emeritus, English).

Support for the newspaper comes from the Office of the Vice Chancellor for Academic Affairs, with additional funding through a grant from the Federation of Maryland Teachers, says Pasch.

Readers of the new publication can expect to find news stories and features of special interest to the academic community including opinion and analysis and feature stories as well as reviews, according to Pasch.

New Endowed Chancellors Scholarship

William Goldstein, president of Travel-On Ltd, has announced that for every ticket its newly opened College Park office sells in the months of Dec., Jan., and Feb., the firm will contribute \$2 to establish an endowed Chancellors Scholar award. Goldstein estimates this will generate between \$3,000 to \$5,000 annually. The award will be an endowed scholarship that will support in perpetuity a Travel-On Ltd. Chancellors Scholar. Travel-On's new office, which opened Dec. 1, is located at 4511 Knox Road. Phone: 779-2111.

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UMCP To Honor Heyman and Ahlfors at Commencement

UMCP will send 2,275 students out into the real world during graduation exercises this month.

Diplomas will be presented to 1,800 undergraduate students, 361 master's candidates and 114 doctoral students during commencement ceremonies beginning at 9:30 a.m. Tuesday, Dec. 23.

Michael Lorenzen, 20, a government and politics major and Gymkana club member, will be the student speaker for the general commencement ceremonies which begin at 9:30 a.m. in the Cole Student Activities Building. Ira Michael Heyman, chancellor of the University of California Berkeley, is the commencement speaker as well as a recipient of an honorary Doctor of Laws degree. Lars Ahlfors, William Caspar Graustein Professor of Mathematics Emeritus at Harvard University, will receive an honorary Doctor of Science degree.

During his three and a half years at UMCP, Lorenzen has concentrated on

international relations in his study of government and politics. For the last two years, he has performed with the Gymkana Troupe, a non-competitive gymnastics club that gives exhibitions throughout the nation.

The Severna Park native plans to do postgraduate study in politics and government. He is the University's current candidate for the Rhodes Scholarship. In addition, he has applied for the Marshall Scholarship and is hoping to attend graduate school at either Yale University, Princeton University or Harvard University.

Heyman, 56, has been the Chancellor at Berkeley for the last six years, during which time he has led the campus toward increasing its enrollment of minorities and gaining more financial support from private sources. He began his career as a lawyer specializing in environmental law.

Ahlfors, 79, is an internationally

renown mathematician. In 1936, he was one of the first two scholars to receive the prestigious Field's Medal for Mathematical Research. The awards, considered to be mathematics' equivalent of the Nobel Prize, are presented every four years at the International Congress of Mathematicians to mathematicians under 40 years of age who distinguish themselves with seminal research in their fields.

Following the general commencement ceremonies, there will be individual graduation ceremonies at each of UMCP's colleges and schools. The practice of holding individual commencement ceremonies was introduced two years ago by Chancellor John Slaughter in an effort to make graduation a more personal event for graduates and their families.

The schedule for the individual commencements can be found on page three of this week's *Outlook*. ■

Ross Resigns as Football Coach

Coach Bobby Ross has announced that he will resign his position as football coach on January 14, 1987.

"...It was a very difficult decision because of the strong feelings I have for my coaching staff, players, support staff and the many Terrapin supporters," Ross said when he announced his decision on Dec. 1.

"I am very proud of what our football program has accomplished these five years. I feel our football team has represented the university well, both on and off the field.

"Many may question my leaving when the program is on a solid foundation, and I do believe there is a bright future for the '87 team, personnelwise, because of the nucleus of veterans returning and an outstanding group of redshirted freshmen. I feel the football program is in excellent shape, and on that basis I feel I can leave..."

Praising Ross for the outstanding job he has done, Chancellor John B. Slaughter said, "The University is very proud of the work he has done and the record he has compiled during his years here. I have the utmost respect for all that he has accomplished and am very sorry that he has decided to resign. The University wishes him well in the future."

Acting Director of Intercollegiate Athletics Charles Sturtz announced last Wednesday that the University is proceeding immediately with a national search for a permanent head coach. Candidates for the job will be brought to campus soon, and under the best of circumstances a new football coach will be selected by mid-December, Sturtz said. ■



DAVID TROZZO

Put Your Applause in Writing

Applause may warm their hearts, but it can't buy their books or pay their tuition! However, your tax-deductible 1986-87 membership gift in the UMCP Theatre Patrons Association will help to provide as many as eight individual undergraduate scholarships and to create other educational opportunities for all campus theatre students. For info, contact the Tawes Theatre Box Office.

Boyle Retires

After 11 years on the faculty of the College of Journalism, Regis Boyle has retired. She will, however, continue to consult and teach workshops. Boyle has taught two generations of high school student journalists and teachers and in 1980 was selected National Journalism Teacher of the Year by the Dow Jones Newspaper Fund.

RESEARCH UPDATES

UM Dedicates New Fire Rescue Research, Training Facility

A new research and training center for fire rescue efforts debuted Nov. 2 with the dedication of The University of Maryland Fire and Rescue Institute's Southern Maryland Regional Training Center Practical Training Area in LaPlata.

The center, a joint effort of the University, the Southern Maryland Volunteer Firemen's Association, the Maryland State Firemen's Association, the Maryland Fire-Rescue Education and Training Commission and various other state agencies will provide classroom and hands-on training to the fire and rescue personnel of southern Maryland and serve as a training base for students from all over the state, reports Becky Spicer, Maryland Fire and Rescue Institute spokesperson.

Work on the 25-acre site of the former East Coast Army Receiving Station were deeded from the federal government to The University of Maryland to hold a fire and rescue training and study center. An existing two-story building on the site was converted and renovated in a facility that now houses classrooms and offices; the training site itself was



designed by the UMCP Department of Engineering and Architectural Services with construction by the Hubscher Construction Company. The training site holds a structural fire building, hydrants, staging and storage buildings, and fire fighting and rescue training pads.

"I think this project represents one of the finest examples of cooperation

I know," University president John Toll told well-wishers gathered at the dedication ceremony. What we see now is a model training center that will be the first of its kind in this state. We're proud of the fact that the State of Maryland is a leader in fire and rescue training. We are proud that The University of Maryland is able to build, along with

the cooperative of others, a system of training that is second to none in the nation, and we are pleased to have this new facility and the plan to build other training facilities throughout other areas of the state," Toll added.

A rather unorthodox ribbon-cutting ceremony marked the close of the dedication, with fire fighters representing each fire company in southern Maryland battling blazes in the structural building as the official ribbon-cutters looked on. This official "baptism" of the building sparked excited enthusiasm from the fire fighters, many of whom donated time and labor to help build the center and were pleased to inaugurate the new facility with its first public demonstration.

The University is currently completing plans and construction details for future regional training centers, the next of which will be built at Aberdeen Proving Ground. At least six regional training centers are slated at completion of the project, Spicer says. ■

—Rick Borchelt

Misner Applies Business Techniques to Physics Classrooms

Students intimidated by physics and mathematics are having a far easier time learning thanks to a computer software program developed by UMCP professor Charles Misner.

In fact, in three weeks he can have them solving complex physics problems—using spreadsheets.

"We looked at the millions of business people with no computer background who are using personal computers to run complicated spreadsheet programs that allow them to keep financial control of their business activities," Misner explains. "We thought that a similar ap-

proach could be used to teach physics and practical technical math, where students could quickly learn how to create the formulas they needed and then have the machines do the repetitive work involved in computations," he says.

Misner, who is on the faculty of the Dept. of Physics and Astronomy, recently demonstrated the software at the 11th annual University Study Conference at Fort Lauderdale, Florida. The conference was organized by IBM's Academic Information Systems Business Unit. More than 300 scholars, representing 102 institutions from across the U.S. took part in exploring the newest wrinkles of educational computing.

"It was a great opportunity to share the work I've been doing with professionals from both academia



Charles Misner

and business," Misner says. "My goal is to make these powerful learning

tools available to students still in high school." ■

Grad Student Assn. Plans Comeback

Students interested in reviving a flagging Graduate Student Association have held three meetings recently to effect a comeback for the group, reports Ted Lienhart, one of the students involved with planning the association's resurrection.

Duncan Perry, associate dean for graduate student affairs, has sent a letter to graduate program directors in every department on campus asking that an official departmental representative be appointed to serve on the new Association.

GSA addresses the concerns of graduate students at UMCP in both

the social, cultural and intellectual arenas, Lienhart says, and the group hopes to overcome what many graduate students perceive as isolation, fragmentation and a lack of contact with other graduate students during their academic career here. The political side of the organization, he says, will try to field graduate students on major campus committees to provide for graduate student input.

Services such as the library, shuttle bus, legal aid, graduate student housing, parking and funding for graduate

student clubs and organizations will be among the topics for future GSA attention.

All graduate students are urged to participate, Lienhart stresses, and he encourages comments and suggestions for issues and ideas that students may have. He can be reached at 454-4205 (w) or 439-0768 (h). ■

OUTLOOK

Outlook is published weekly during the academic year by the Office of Institutional Advancement for the faculty and staff of The University of Maryland College Park Campus.

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Commencement Day Schedule

11:30 a.m.:

- * College of Computer, Math & Physical Sciences, Memorial Chapel.
- * College of Behavioral and Social Sciences, Cole Field House.
- * College of Education, Armory.
- * Undergraduate Studies, Hoff Theatre.
- * College of Arts & Humanities, Tawes Theatre.
- * College of Physical Education, Recreation and Health, PERH Lecture Hall.

* College of Library & Information Services, Hornbake Library

2 p.m.:

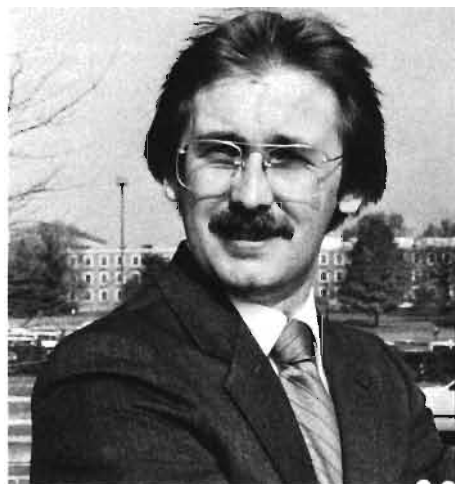
- * College of Agriculture and Life Sciences, Memorial Chapel.
- * College of Business and Management, Cole Field House.
- * College of Engineering, Armory.
- * College of Journalism, Hoff Theatre.
- * College of Human Ecology, Tawes Recital Hall.

Former Ambassador to Speak

Former U.S. Ambassador to El Salvador and Paraguay Robert White will discuss the "Purpose and Activities of the International Center for Development Policy" Mon., Dec. 15 at noon in Rm 2118, South Administration Bldg. White, who served during the Carter administration, is president of the Center. He will be joined by its executive director Lindsay Mattison in a discussion of the

organization's development activities in Latin America, Asia and Africa. They will focus on U.S. and Soviet perceptions of famine relief, human rights and other issues facing developing nations, and the New Forest Project, which is based on agroforestry, natural regeneration of forests and basic needs of small farmers. For info, call 454-3938.

First Invention Management Specialist Appointed at UMCP



Wayne Swann

Wayne E. Swann has been hired as the first University Technology Liaison Officer for the College Park Campus.

A scientist with an unusual blend of technical expertise and product development and marketing, Swann holds eight U.S. patents, has 11 patents pending and has filed 32 additional patent disclosures.

He joined the UMCP staff Dec. 1 and works from the Graduate Studies and Research Office in the South Administration Building.

Swann will direct UMCP programs in the areas of technology development and technology transfer. His primary role, he says, will be to identify campus research that has university-industry transfer potential and coordinate the review of each possibility by providing invention management services.

He will maintain liaison with university researchers and administration and with University Technology Corporation, a Durham, N.C.-based company in the business of identifying and managing the transfer of university research that shows promise for commercial application.

Swann says he believes his blend of entrepreneurial skills and experience and scientific background will provide UMCP researchers and the campus with a valuable new resource.

"There is a trend today among universities developing their own ways of patent management, investigation and marketing of campus-generated inventions," he notes. "Some researchers don't always recognize that the fruits of their research may be patentable."

What he will be asking campus researchers of their work is: is it novel, is it something unusual, does it have the potential for new applications?

Since he has gone through the frustrations the patent process entails himself, he says he can serve as a facilitator for UMCP researchers. "My job is to help to eliminate the burden on the inventor in the application process." Swann stresses that researchers should not feel they must confront a publish or patent dilemma. "It is not an either/or situation," he says. "Potential inventions either go unnoticed or researchers feel it is too much trouble to put

pen to paper in initiating the patent process."

As the exclusive agent for licensing most forms of technology from these universities, UTC will identify the innovations, find the most likely potential users, and negotiate the licensing terms on behalf of the universities.

Contracts with UMCP, Georgia Tech and U. Conn. provide for a 50/50 sharing of compensation or income that results from a license. UTC income will come only as a

result of successful licensing arrangements.

Swann was research and marketing manager for biocatalysis research and development at the Genex Corporation. He was responsible for developing and implementing marketing strategies for technology licensing, R & D contract sales and joint ventures. He also managed Genex's Biocatalysis Laboratory with emphasis on enzyme applications and immobilization technology.

From 1972 to 1981, Swann was a research associate with W. R. Grace & Co.'s Corporate Research Center. At Grace, he developed bioreactors for production of amino acids, clinical diagnostic tests, and invented new immobilization techniques and fabricated immobilized enzymes into foam, films, spheres, tubing, test tubes and the like. During this time, he was granted five U.S. patents for his inventions. ■

—Tom Otwell

Survey Finds UMCP R&D Funding Among the Highest in the Country

The University of Maryland College Park ranks in the upper 25 percent among the nation's top 100 schools in total scientific and engineering research and development funding awarded in fiscal 1985, according to recent surveys conducted by the National Science Foundation.

Among the 550 educational institutions surveyed, the College Park Campus placed 25th in total funds allocated to research and development, well ahead of such institutions as University of North Carolina at Chapel Hill, which ranked 41st, Carnegie-Mellon University, which came in at 50th and 65th ranking State University of New York at Stony Brook.

These annual NSF surveys revealed that UMCP awards for research and development in the areas of science and engineering jumped by nearly 60 percent, from an estimated \$60,717,000 in fiscal 1982 to \$96,484,000 in fiscal 1985.

The National Science Foundation conducts three annual surveys covering scientific and engineering expenditures at schools granting graduate degrees and with research and development expenditures exceeding \$50 million. These surveys also examine graduate enrollment trends in science and engineering programs as well as analyzing federal government support to various educational and non-profit institutions.

Of these 3,439 science and engineering graduate students, nearly half were attending the University on a part-time basis. Maryland ranked 9th nationally among doctorate-granting schools with less than full-time graduate students in these programs.

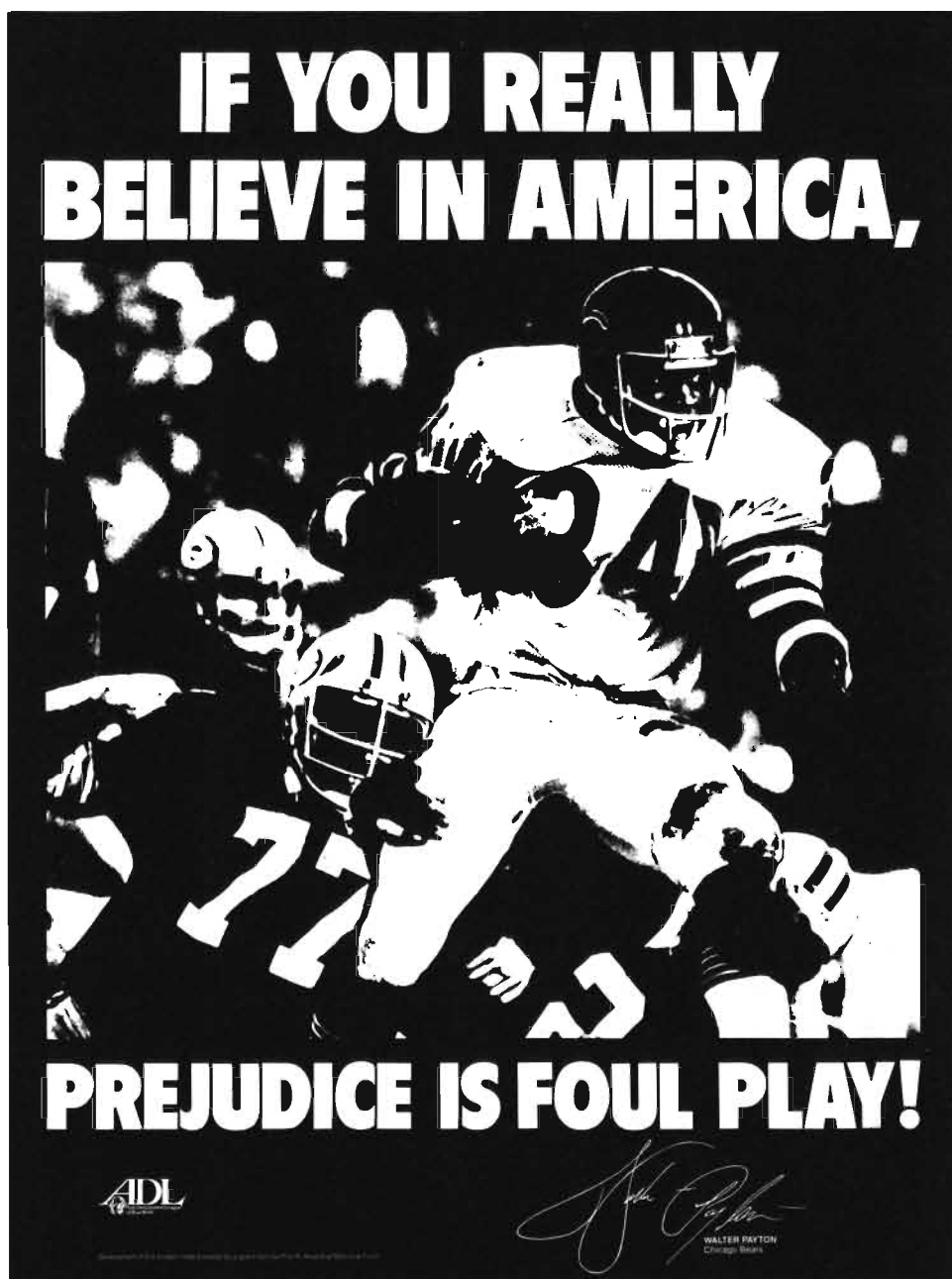
The surveys also showed that UMCP ranked 38th among the 100 universities and colleges receiving the largest amounts of funds from federal government contracts. Slightly over \$51 million of the total \$64,646,000 awarded by the government was earmarked for research and development in science and engineering.

Of this \$51 million, the University received nearly \$14,200,000 from the National Science Foundation, while another \$12,574,000 came from contracts and grants with the Depart-

ment of Defense. NASA and the Department of Energy each had contracts at UMCP exceeding \$6 million. The Departments of Agriculture and

Health and Human Services also awarded contracts to this campus totaling over \$12 million. ■

—Harpreet Kang



Office of Human Relations Tackles Prejudice on Campus

This week the Office of Human Relations is launching a campus-wide ethnic awareness/anti-prejudice campaign. Among the activities planned are informal brown-bag lunch meetings in Rm. 1107 of Hornbake Library to discuss the problems of religious, racial and gender discrimination on campus. "We have such wonderful diversity on this campus," says Pamela Paul, coordinator of the campaign, "and we need to learn better ways to benefit from it. Prejudice is also a reality, but one that I believe can be effectively dealt with if people sincerely make the attempt to do so." The first noon meeting is scheduled for Dec. 11. Please call the Office of Human Relations at 454-4707 if you plan to attend.

Craft Fair Has Gift Ideas

One of the campus' prime holiday shopping opportunities happens this week. The 15th Annual Holiday Craft Fair will be held Dec. 10 through 12 in the Grand Ballroom of the Stamp Student Union. The fair will feature handmade crafts including wooden toys, pottery and stonework from some 50 different vendors. Sponsored by the Student Union Art Center, the fair runs from 10 a.m. to 5 p.m. daily.

Seefeldt Authors Two New Books

Carol Seefeldt (Child Stud.) had two textbooks published this year. The first, *Early Childhood Education: An Introduction*, was co-authored with Nita Barbour of UMBC and was published by Charles E. Merrill. The second, *Early Childhood Curriculum: A Review of the Research*, has been published by Teachers College Press.

Kruskal Wins Outstanding Paper Award

Clyde Kruskal (Computer Science) recently won the Outstanding Paper Award for a paper presented at the 1986 International Conference of Parallel Processing. His paper was titled "The Effectiveness of Combining in Shared Memory Parallel Computers in the Presence of 'Hot Spots'."

CALENDAR

December 8—14

MONDAY

December 8

Women's Commission Meeting, noon-1 p.m., 2105 Main Admin.*

25th Anniversary Recital featuring tenor Kenneth Pennington (MUSC), 8 p.m., Tawes Recital Hall. Call x6669 for info.*

Technology, Security & U.S. Technology Leadership, Vice Chancellor's International Lecture Series lecture by Richard Van Atta (Technology Security Policy Inst. for Defense Analyses), noon-1 p.m., Maryland Room, Marie Mount Hall.*

Opening Reception For Fall M.F.A. Thesis Exhibition, 4:30—6:30 p.m., Art Gallery, Art-Sociology Bldg. Exhibit continues through Dec. 23. Gallery hours are Mon.-Fri. 10 a.m.-4 p.m. (Wed. until 9 p.m.) and Sat. & Sun. 1 p.m.-5 p.m. Call x2763 for info.*

Singapore to Bali, Wanderlust Unlimited Series film & lecture by Thayer Soule, 7:30 p.m., Hoff Theater.

All I Know, computer science lecture by Hector Levesque (U. of Toronto), 4 p.m., 2324 Computer Science Center.*

Cohomology of Mapping Class Group, geometry-topology seminar by Ruth Charney (Ohio State U.), 4:15 p.m., 1313 Mathematics Bldg.*

Mathematical Word Processing for \$35 and Computers in Our Department, student-faculty colloquium by David Lay (MATH), 3 p.m., 3206 Mathematics Bldg.*

The Genetic & Biochemical Basis for Resistance in Muskmelon *Cucumis Melo* to Pathogenic Strains of *Myrothecium Rorarium*, horticulture seminar by Joseph Kuti, grad. student, 4 p.m., 0128B Holzapfel Hall.*

Seaside, exhibit, School of Architecture Gallery. On display through Dec. 12. Call 3427 for gallery hours.*

The Photograph as Social History: Walter Ballhouse "Between Weimar & Hitler", Parents Assn. Art Gallery, Stamp Student Union. Exhibit continues through Jan. 9. Call x2801 for gallery hours.*

William Kapell Remembered, an exhibition of the great pianist's papers, diaries and memorabilia, at the Music Library, third floor Hornbake, through Jan. 1, 1987. Library hours are Mon.-Thu. 8 a.m.-11 p.m., Fri. 8 a.m.-5 p.m., Sat. 10 a.m.-5 p.m. and Sun. noon-11 p.m.*

TUESDAY

December 9

Is It Time to Change the Way We Teach Physics, physics colloquium by Edward Redish (PHYS), 4 p.m., 1410 Physics. Call x3511 for info.*

Benefits Orientation for new employees, 10 a.m., fourth floor, Hornbake Library. Call Linda Kelly or Gene Edwards, x6312, for info.*

Advances in Geographic Information Processing, geography seminar by Robert Laurini (INSA, Lyon, France), 4 p.m., 1222 Lefrak Hall.*

Ideals in L 1-Algebras, representation

theory seminar by Detlev Poguntke (Yale U.), 4 p.m., 1313 Mathematics Bldg.*

The Learned Ladies, a comedy by Moliere, 8 p.m., Rudolph E. Pugliese Theatre (formerly the Gallery Theatre). Call x2201 for info.

Women's Basketball vs. Temple, 7:30 p.m., Cole Field House.*

High Society, movie, 4 p.m., Hoff Theater. Call x4987 for info.*

Running Scared, movie, 7 & 9:30 p.m., Hoff Theater. Call x2594 for info.

WEDNESDAY

December 10

Atrium Showcase Concert featuring Ellis Woodward, 11 a.m.-1 p.m., Atrium, Stamp Student Union. Call x4987 for info.*

Holiday Craft Fair, 10 a.m.-5 p.m., Grand Ballroom, Stamp Student Union. Call x4987 for info.*

Holiday Party for University Club members & spouses, 4-6 p.m. Call x7896 for info.



Beauty of Bali's Barong Dance featured in "Singapore to Bali," Wanderlust Unlimited Series lecture and film by Thayer Soule. See Dec. 8.

Maryland-Hilberus: Charles Carroll the Settler, 1688-1720, Early American History Seminar by Ronald Hoffman (HIST), 8 p.m., 1104 Stamp Student Union.*

Women's Studies Graduate Network, 3-5 p.m., first floor, Mill Bldg. Call Laurie Lippin, 277-7529, for info.*

Low Energy Photons From High Energy Phenomena: IRAS Observations of Supernova Remnants, astronomy colloquium by Eli Dwek (Goddard Space Flight Center), 4 p.m., 0254 Computer & Space Sciences Bldg.*

The Learned Ladies, play. See Tuesday.

Running Scared, movie. See Tuesday.

No Counseling Center R&D Lecture today. Today's meeting has been rescheduled for Dec. 17.

THURSDAY

December 11

Guameri String Quartet open rehearsal, 7 p.m., Choral Room 2102 Tawes. Call x6669 for info.*

Ethnic Awareness/Anti-Prejudice Campaign brown-bag lunch meeting, noon, 1107 Hornbake. Call x4707 if you plan to attend.*

How Well Do Estimates of Time Mean Vertical Motion Compare to Estimates of Precipitation; U.S. 1981-1986, meteorology seminar by Huug van den Dool (METO), 3:30 p.m., Meteorology Dept. Annex. Call x2708 for info.*

Delta-Trigonometric and Spline-Trigonometric Methods Using Single Layer Potential Representation, numerical analysis seminar by Raymond Cheng (Math), 9:30 a.m., 1115 IPST Bldg.*

A Density Condition for Frechet Spaces and the Characterization of Distinguished Kothe Spaces, functional analysis seminar by Klaus Bierstedt (U. of Paderborn), 5 p.m., 1308 Mathematics Bldg.*

Magnetic Contribution to the Temperature Variation of the Energy Gap in Diluted Magnetic Superconductors, condensed matter seminar by J.A. Gaj (U. of Warsaw, Poland), 3 p.m., 4220 Physics. Call x3511 for info.*

The Interaction of Vesicular—Arbuscular Mycorrhizae, Phosphorus and Potassium Fertilization on Growth of Sweet Potato, horticulture seminar by Jacob Ngeve, grad. student, 4 p.m., 0128B Holzapfel Hall.*

Holiday Craft Fair. See Wednesday.

The Learned Ladies, play. See Tuesday.

The Fly, movie, 7 & 9:30 p.m., Hoff Theater. Call x 2594 for info.

FRIDAY

December 12

Board of Regents Meeting at UMAB. Call Anne Moultrie, 853-3740 for info.*

Egypt: Old Realities & New Vision, 1986 Phillips Lecture featuring 5 panels and 12 speakers. Call x2506 for info & reservations.

Women's Basketball vs. Duke, 7:30 p.m., Cole Field House.*

Holiday Craft Fair. See Wednesday.

The Learned Ladies, play. See Tuesday.

The Fly, movie. See Thursday. Repeats at Midnight.

SATURDAY

December 13

The Cleveland Quartet, University Community Concerts featuring Charles Stier, clarinet, 8:30 p.m., Center of Adult Education Auditorium. Call x6534 for info.

Egypt: Old Realities & New Vision See Friday.

The Learned Ladies, play. See Tuesday.

The Fly, movie. See Friday.

SUNDAY

December 14

The Learned Ladies, play, 2 p.m. Call x2201 for info.

The Fly, movie. See Thursday.

* Free admission

Pennington Celebrates 25th Anniversary

Kenneth Pennington is singing in celebration of his 25th anniversary at UMCP. The associate music professor will give a voice recital marking his 25th year on campus 8 p.m. today in the Tawes Recital Hall. He will sing selections by Haydn, Brahms, Poulenc and Trimble. Robert McCoy will accompany Pennington on the piano. Joining Pennington will be faculty members William Montgomery (Music) on the flute and Norman Heim (Music) on the clarinet.

Last Chance to Hear Guarneri

The last chance in 1986 for a free listen to the Guarneri String Quartet is Thurs. Dec. 11 when the ensemble holds an open rehearsal at 7 p.m. in the Choral Room (rm. 2102) in the Tawes Fine Arts Building. They will play Dvorak's String Quartet in F Major "The American". The quartet features UMCP faculty members Michael Tree, viola; David Soyer, cello; John Dalley, violin; and Arnold Steinhardt, violin.

ARTS AT MARYLAND

UMCP Plays Carnegie Hall with Piano Recital



Arthur Greene

College Park on the Hudson will make its debut this winter.

On Jan. 7, travelers from College Park and UMCP alumni living in and

around New York City, will converge on Carnegie Hall for a concert by Arthur Greene, winner of the 1986 University of Maryland International William Kapell Piano Competition. This is the first time the University has sponsored a New York debut for the winner of its competition.

Organizers have been working to make the evening a gala event for UMCP persons who journey to midtown Manhattan for the concert.

Samuel LeFrak, a New York builder and 1940 UMCP graduate, is the honorary chairman of the event. An alumni committee is working to encourage participation among the 5,000 UMCP graduates in the New York area. A chartered bus will carry some concert-goers from College Park to New York. The whole weekend will be capped by a reception following the concert at the Hotel Parker Meridien.

"We're hoping it will succeed," says George Moquin, executive director of the Maryland Summer Institute

for the Creative and Performing Arts, the organization which coordinates the piano competition. "This concert will take place shortly after Carnegie Hall reopens after a \$50 million renovation. It is a wonderful opportunity to see the results of that work and hear a talented young pianist."

The concert is taking place three weeks after the 2,800-seat concert hall reopens after being closed six months for renovations.

Greene's performance marks the climax of a year of retooling of the University's piano competition, which is coupled with the University of Maryland International Piano Festival held at UMCP each summer.

Pianist Eugene Istomin was appointed as artistic director of the competition in Oct. 1985. Since Istomin's appointment, the competition has been dedicated to the memory of Kapell, the renowned American pianist who died at the age of 31.

Moreover, a University-sponsored

New York debut was added to the prize list beginning with the 1986 competition.

"Istomin felt that for a young pianist's career to be launched he must have a major debut in New York City," Moquin says.

Greene, 31, who lives in East Setauket, New York, was chosen winner of the competition over a field of 90 contestants. During his Carnegie Hall appearance, he will play selections by Scriabin, Ives and Chopin.

The Carnegie Hall concert begins at 8 p.m. Tickets for the performance are \$6-\$12.

Ticket arrangements can be made before Dec. 23 by calling Summer Programs at 454-5910 or 454-4241. After Dec. 23, persons interested in purchasing tickets should call the Carnegie Hall box office at 212-247-7800. ■

—Brian Busek

Eyo Leaves Museums to Teach Westerners About African Art

Ekpo Eyo gave up all the museums and all the monuments in Nigeria to preach the cause of African art at UMCP.

For 17 years, Eyo had managed the 17 museums, the 16 monument sites and all the archaeological digs in his native Nigeria. His job as Director-General of the National Commission for Museums and Monuments made him a cultural leader in the west Africa country of 82 million people.

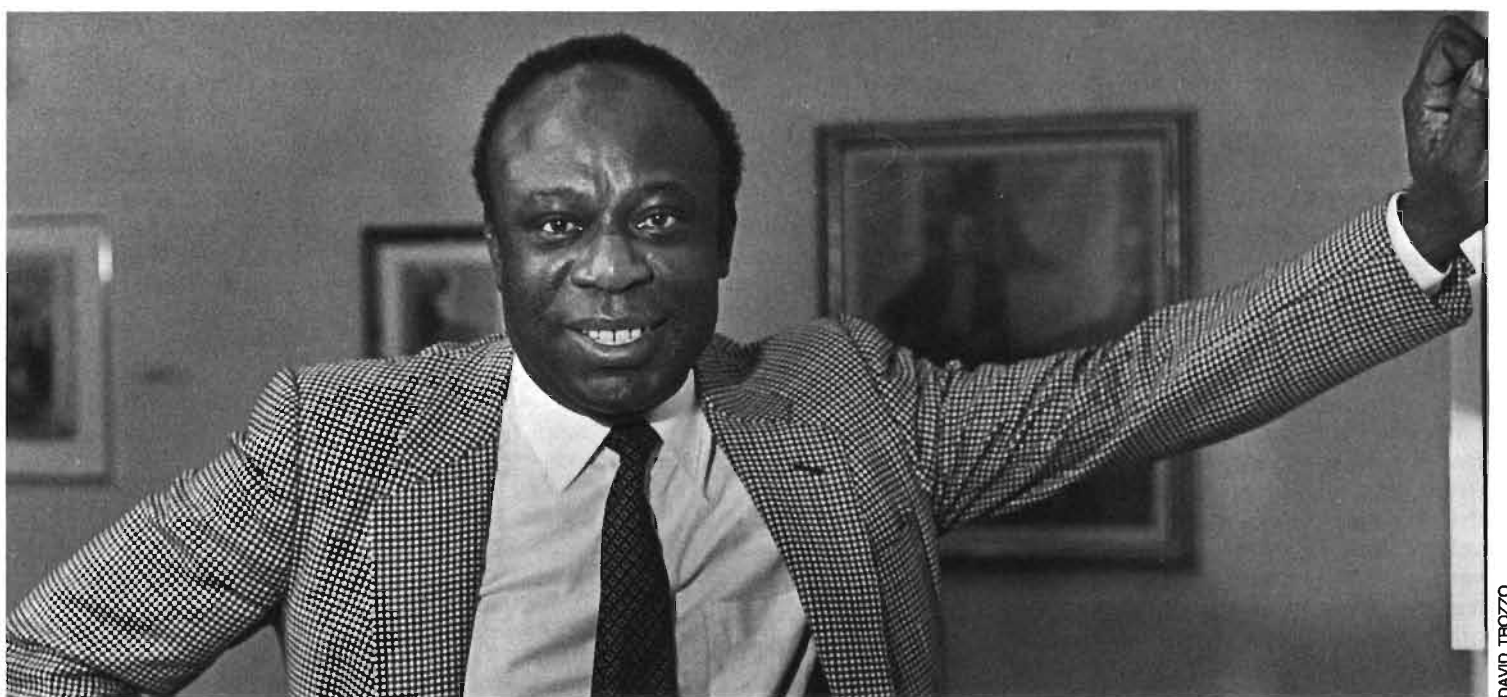
This fall, Eyo, 55, took his seat as a professor on the UMCP faculty. He hopes, through writing and teaching, to impress upon the Western world the quality and character of the art of his native continent.

"As I have traveled throughout the world, I have discovered how little people know about African art," Eyo, a British-educated scholar, says.

"There are many, many misconceptions. For instance, it seems that many people believe all ancient African art was done in wood.

"Not true. Our artists used stone, metals, ivory, terra cotta and bronze as well as wood. Several years ago we brought an exhibition to the United States and Europe, 'Treasures of Ancient Nigeria: A Legacy of Two Thousand Years.' There was not a single piece of wood in that show." The artistic tradition in Africa is as long and as rich as that of the Western world, Eyo says. However, cultural differences and a limited written history make the work less accessible to Westerners.

Art works dating back to 900 B.C.



Ekpo Eyo

have been unearthed on the sites of ancient African villages. The work from that period is comparable in quality to that being done at the same time in the ancient civilizations of Greece and Rome, Eyo says.

Several common characteristics run through the African art produced before the continent was exposed to Western influences.

The medium of most ancient African art is sculpture. The artists of the African villages used available materials to create their figures.

Nearly all the art stems from mythological themes, Eyo says. The figures portray the legends and heroes of the artist's people.

African art has been changing in recent years. In Nigeria, for instance, there has been a break from older traditions, he says.

Nigeria had been a British colony, and with the colonial influence the study of fine art became part of the Nigerian educational system. Many African artists have borrowed ideas and styles from European and Asian artistic traditions.

Still, African art remains distinctive in that the artists look inward and include subjects and styles that are distinctly African, Eyo says.

In his effort to encourage appreciation of African Art, Eyo is teaching classes in African art at UMCP and

working on a number of writing projects. He is currently working on a book, *The Art of Owo and its Neighbors*, which deals with the art of a region in Nigeria, and a chapter on Nigerian art for an art encyclopedia to be published by MacMillan.

In February, Eyo will give a lecture on African sculpture at the Museum of African Art in Washington, D.C.

Eyo believes that non-Africans can grow to understand and accept African art.

"The rest of the world should be able to learn about African art," Eyo says. "In Nigeria, we learned the history of England." ■

Student Thesis Exhibit Opens

Two UMCP art students will celebrate commencement by showing off their work this month. Paintings by LuAnn Zubak and Ester Clark will be featured in the Art Gallery in thesis exhibitions Tues., Dec. 9 through Tues., Dec. 23. The show opens with a 4:30 p.m. reception today. Students pursuing a master's degree in studio art must exhibit their work as a requirement for graduation.

Zane Elected to Hall Of Fame

Jack Zane, Assistant Athletic Director and Sports Information Director at UMCP since 1969 has been inducted into the National Hall of Fame of the College Sports Information Directors of America (CoSIDA). Zane's selection brings to 89 the number of Hall of Fame members.

Members of the Hall of Fame are selected for distinguished work at their home institutions and their service to the sports press. Zane joined two other inductees this past summer, Cornell's Dave Wohlhueter and

Ed Alsene from Illinois Wesleyan. The three were inducted at the Annual CoSIDA Workshop, held this year in Nashville, Tenn.

Zane, a 1960 Maryland alumnus, currently serves as National President of CoSIDA. He started working with UMCP Sports Information in 1957 while a journalism student at the College Park Campus. Following graduation, he remained at Maryland as the Terps' first Full Time Assistant under then-sports information director Joe Blair. He spent a short stint with the

U.S. Postal Service before George Washington University tapped him for their sports information shop.

When Blair decided to leave Maryland to become public relations advisor to the Washington Redskins, the University gave Zane the nod as sports information director. He's held that position since 1969; Blair has since rejoined the sports information team as Zane's assistant.

Zane is a native Marylander from Lothian and a graduate of Southern High School.

CLOSE UP

Of Bower Builders and Interior Decorators

Next time you call in an interior decorator for your home, you might want to consider hiring a satin bowerbird.

"These highly decorated halls of (bowerbird) assembly must be regarded as the most wonderful instances of bird-architecture yet discovered," in the words of Darwin's contemporary, ornithologist John Gould.

In the century or more since Gould's descriptions of the elaborate bowers built by these fascinating birds first excited European naturalists, interest in the mating habits and construction projects of bowerbirds has continued unabated. UMCP assistant professor of zoology Gerry Borgia is one of the behavioral scientists at the forefront of bowerbird research.

"The bowers of bowerbirds have no parallel in the animal world," Borgia writes in last June's *Scientific American*.

The 18 species of bowerbirds are endemic to Australia and New Zealand—they are found nowhere else on earth. The birds appear most closely related to crows, magpies and jays.

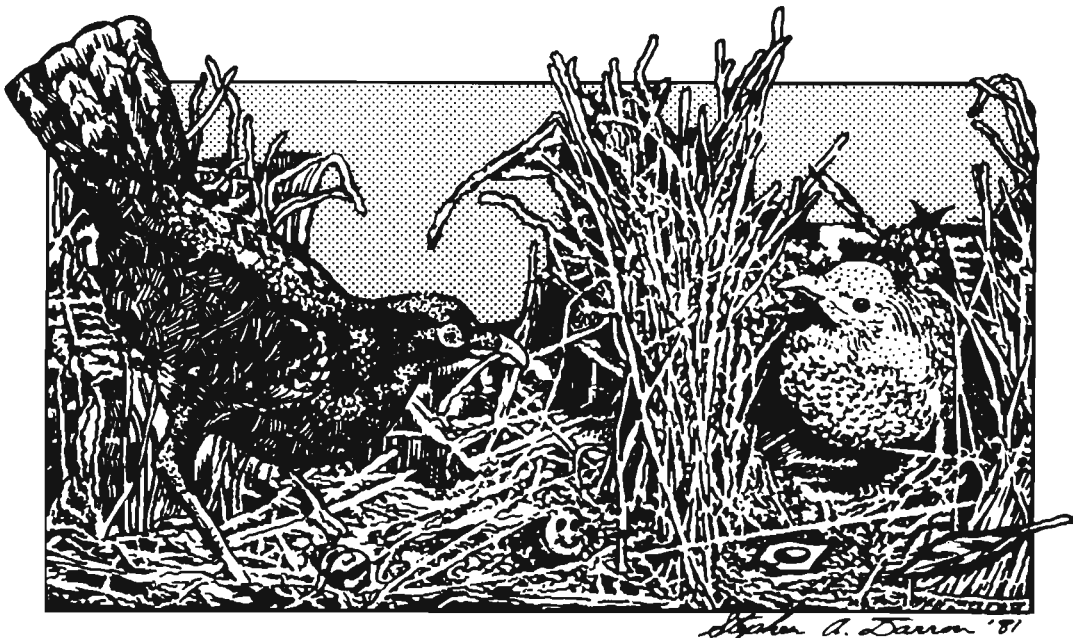
Many bowerbirds are brightly colored and the males often engage in elaborate displays designed to attract females for mating. Unlike more conventional bird species, bowerbirds also build a stage on which to strut their sexual stuff. And most male bowerbirds also handle the interior decorating for these bird boudoirs.

The bowers built by male bowerbirds range in intricacy from simply ornamented clearings built by the toothbilled bowerbird to seven-foot towers decorated with moss and flowers built by males of the bowerbird genus *Prionodura*.

Borgia has studied several kinds of bowerbirds, but none so extensively as the satin bowerbird of southern and eastern Australia. Satin bowerbirds build and decorate bowers that face the sun at midday and open onto a display platform, says Borgia, that the male covers with a carpet of yellow straw or yellow leaves. A variety of decorations, including feathers, shells, fresh blossoms and other natural objects—usually in hues of blue and yellow—adorn the display area, and the male bird keeps a select pile of particularly prized ornaments in a pile near the bower for him to hold in his mouth during his courtship display. He even goes so far as to prune the leaves from trees and shrubs that overhang the bower to let sunlight stream in and illuminate the bright yellow-and-blue pattern of decoration.

Females are attracted to the bowers, and the more ornate the bower the more likely the female will remain to mate with the bower's builder, Borgia says. A certain amount of thieving between bowers takes place, too, he notes, for such prized finds as intense blue parrot feathers.

But why should the female pick a



mate on the merits of his ability to build and decorate a bower? In many birds, the males assist the female in building a nest and raising young, and it might be thought that a successful bower-builder might make an equally successful nest-builder. But the male bowerbird contributes only sperm in the entire mating, courtship and nesting process.

Borgia notes that two theories have been advanced to explain behavior such as the female bowerbirds'—the runaway model and the good-genes model. The good-genes model posits that female bowerbirds can tell from the bower display whether or not a male would make a good sire for her clutch.

The runaway model suggests that female choice could be self-reinforcing: it could cause its own spread among females and the spread of the male-display characteristics on which it is based. For instance, Borgia explains, suppose there is a population of birds where some of the males have a red feather in an otherwise all-black tail. Some females choose, for whatever genetic reason, to mate only with red feathered

males while other females mate indiscriminately. Males in this system can mate with both choosy and non-choosy females, but all-black males can only mate with non-choosy females. This system favors the genes of red feathered males, who proliferate in the population, and the choosy females, whose genes also proliferate in the population.

Once a pattern of female choice is established this way, according to Borgia, more and more extreme patterns of choice are favored—brilliant plumage, extravagant courtship displays, elaborate bowers—the so-called runaway effect.

Borgia and his graduate students and volunteer assistants spent hundreds of hours of field observation trying to find out just what it is that attracts females to male bowers at their study sites in the Wallaby Creek area of Beaurie State Forest of New South Wales in Australia. The research teams netted breeding males, marked them with colored bands, and observed their behavior with a sophisticated infrared light-controlled system.

Borgia also tagged individual

feathers used for decorating the bowers to see how intensely the males compete for these prime adornments, and denuded some bowers to see if females then ignored the occupant.

Borgia found that male bowerbirds compete heavily for prime bower locations and for nest building materials. Males also try to destroy each others' bowers, and filch feathers from each other regularly. The ability to construct and defend a high-quality bower speaks well for the owner's aggressiveness.

Good bower construction also usually indicates that the owner is a more mature bird, since Borgia notes that bower-building takes considerable practice to perfect. An older bird probably possesses the genes necessary to help evade predators and find food consistently. All these characteristics make for good sires of bowerbird egg clutches, too.

So the ability to defend a good bower may indeed point out qualities to a potential mate that make the male a "good catch," so to speak.

But his work with satin bowerbirds is only the first step in understanding why bowerbirds build bowers in the first place, Borgia says. At this point, both runaway and good-genes models can explain the results he and his colleagues have observed.

Scientists now need to look at other bowerbird species to see if they show a preference for rare decorations in the bower, he says, and to find out how males learn to build bowers in the first place. Also in question are why some bowerbird species build bowers while others practice more sedate courtship tactics.

"These questions will be addressed by work I plan to do with other bowerbird species," Borgia says. He expects to complete some of the task during a sabbatical leave this fall. ■

—Rick Borchelt

Love Addicts Beware!!!

Romantic love can be addictive. It can provide a tremendous rush, an extraordinary high, a wondrous experience unlike anything else known to man or woman.

Assistant Professor of Psychology Kevin O'Grady has spent a great deal of time studying the phenomenon of romantic love and its importance to our culture. O'Grady has devised a test that helps determine whether an individual is realistic about the long-term implications of falling in love or simply addicted to the first flush of infatuation—time and time again.

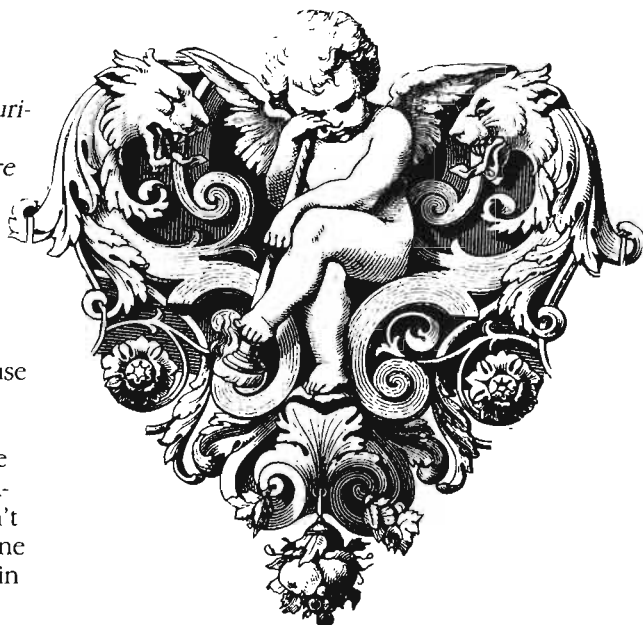
Already given to several thousand men and women, the test has produced some interesting generalizations, among them:

*women have less need for security in a relationship than do men

*men fall in love faster and more often than do women

*women consider the long-term realities of a relationship more thoroughly than their masculine counterparts

O'Grady developed the test to help him develop techniques for use in family therapy programs. "Somehow," he says, there's this belief among many people that the whole high of love, that is, infatuation, should last forever. It doesn't necessarily, he says, and it's just one of several other important factors in a long-term relationship. ■



Microbiologists in Spain

Ana Baya, Frank Hetrick and Bob Roberson (Microbiology) recently traveled to Spain and Portugal to visit the Center of Biological Investigations in Madrid and the Fish Disease Unit at the University of Santiago de Compostela in Galicia. In Portugal, they attended and presented a paper at the Second International Colloquium in Marine Aquaculture held in Oporto.

Exchange Program Applications Accepted

Applications are now being accepted for the UM exchange program with Peking University for the 1987-88 academic year. Applicants may be faculty or students with or without knowledge of Chinese language. For info, call 454-4093.

COLLEGE PARK PEOPLE

Beam Me Up Bill

Bill Bigley's mother knew a thing or two about children—she had ten, after all. When he was in his late

transmitters and other electronic equipment," says the chief engineer of the Instructional Television Facility



DAVID TROZZO

IN THE SPOTLIGHT: Bill Bigley

teens and at loose ends about choosing a career, she suggested (strongly, he recalls) that he put his innate tinkering abilities to good use and attend electronics school.

"And that's how I got started in this business of repairing television

(ITVF). "After I graduated from the Electronics Institute in Pittsburg, I went to work for Montgomery College in Rockville. I stayed there for nine years—until Dr. Seigel lured me to UMCP."

Arnold Siegel has directed ITVF

since it began in 1980. The program was designed to teach engineering, computer science and other technical courses to people off campus. Professors and their classes meet in one of the facility's studios, and the class is taught in the usual fashion except that the instructor wears a microphone and has three stationery video cameras recording his or her every gesture.

"We have four TV classroom-studios and are on the air from 8 a.m. to 8 p.m. and sometimes later," Bigley explains. "We broadcast to about 20 sites around Maryland and Virginia. My job is to keep all the equipment—here and at the sites—in good working order. I'm a busy man."

He's also an outstanding man, says his boss Siegel. "Not only does Bill know electronics inside-out," he adds, "but he's also a jewel when it comes to working with people, and that includes the occasional fussy faculty member, student workers and the outside agencies we work with. The University is so fortunate to have him."

One of Siegel's favorite Bigley stories is about the time the chief engineer spent his entire Labor Day—without being asked—setting up a transmitter that he knew Siegel was anxious about. "He never asked me for extra money or leave or anything," says Siegel. "He's just genuinely good-hearted and devoted to his work."

Not totally devoted, however. When Bigley can't be found at work or at his home in Mt. Airy, Md.,

chances are he's engrossed in his favorite spare-time activity, fishing the waters around Ocean City. Last summer, he says, he caught three sharks in Assawoman Bay—did he say sharks?

"They were just babies," he explains, "but I caught them right where we water ski. I don't mind baby sharks, but I did wonder if any of their mothers might be around."

Bigley might have some doubts about water skiing amid sharks, but he has none when it comes to operating or repairing the ITVF's equipment. He is also at home with the nearly 70 students that work at the facility as drivers and operators.

"There's no question that I couldn't begin to do my job without our student workers," he says.

"They do everything around here and do it well. For example, they make the daily rounds to IBM in Virginia, Hagerstown Junior College and the other agencies that receive our broadcasts to collect homework, deliver tapes of past programs and bring back any equipment that might need to be repaired."

If there's anything that Bigley finds worthy of complaint about his job, besides the daily three-hour commute he has to put up with, is the growing amount of administrative work he has had to handle. "But," he's quick to add, "even this problem is about to fade since ITVF will soon have a full-time administrator. Now all I have to do is move College Park closer to Mt. Airy." ■

—Mercy Hardie Coogan

Behind The Scenes

So maybe they're not NBA expansion team material, but no one can say that the **Noontime Gang** (pictured below) doesn't possess the requisite passion for their sport or devil-may-care intensity on the court. The gang has been bouncing balls for years—seven or eight at least, perhaps as long as ten. Membership usually hovers between fifteen and 20 and includes classified and associate staff as well as faculty. Game time: weekdays, 12:30-1:30...

A team of a different nature—but no less enthusiastic and able—are the men and women who belong to the University's **Apprenticeship Program**. In an effort to get more good people working on campus, the Department of Physical Plant instituted the program two years ago by hiring apprentices (persons who learn the skills of a trade from a master teacher) to full-time, salaried, permanent positions. **Sandy Shmookler** directs the program which presently has an enrollment of 38.

"We consider the program a very worthwhile investment for the campus," she says, "for while we're training individuals in specific trades, we are also training our future supervisors." The people directly responsible



AL DANEGGER

"The Noontime Gang"

ble for providing on-the-job training are the shop supervisors who oversee each apprentice's four-year education. The trades involved in the program and their supervisors are:

Air Conditioning and Refrigeration, **Dave Vogts**; Carpentry, **Jim Haney**; Plumbing, **Mike Fleshman**, Electrician, **Steve Trantum**; Locksmith, **Jim Ashby**; Steamfitting, **Spike Varner**,

Temperature Controls, **Bill Graves**; Automotive Mechanics/ Autobody and Repair, **Fred Pinkney**. For more information about the program, call Physical Plant's job hotline: 454-3213.

A letter from **Carol Prier**, an administrative aide in the Chancellor's office arrived on my desk the other day. The letter, really a carbon of one sent to TERP Service Director **Anna Nemesh**, was in praise of the fine work of TERP Person **Phyllis Ewald** who has been temporarily assigned to Prier's office. "Phyllis is extremely competent and always professional," goes the letter, "someone we all have come to depend upon." Nemesh says she's recently received letters commending **Sally Eley** who has been working in Library and Information Services at University College, **Patty Vizzini** in Meteorology, **Ida Perkins** in the College of Behavioral and Social Sciences, and **Leone Havenner** in Personnel. Add **Noreen Cryan** to the list, please. She has gained the respect and gratitude of all the people in this office for the efficient and cheerful contribution she makes to the work we do.

Who said good women are hard to find? ■

Search Launched for Engineering Hall of Fame Nominees

Faculty, students, alumni or others with an established and strong connection with the UMCP College of Engineering are eligible for nomination to the Engineering Hall of Fame. Nominees must have made a significant contribution to society through innovation at the concept, design or working level of engineering, as opposed to engineering supervision or management. Election to the Hall may be made posthumously. Election

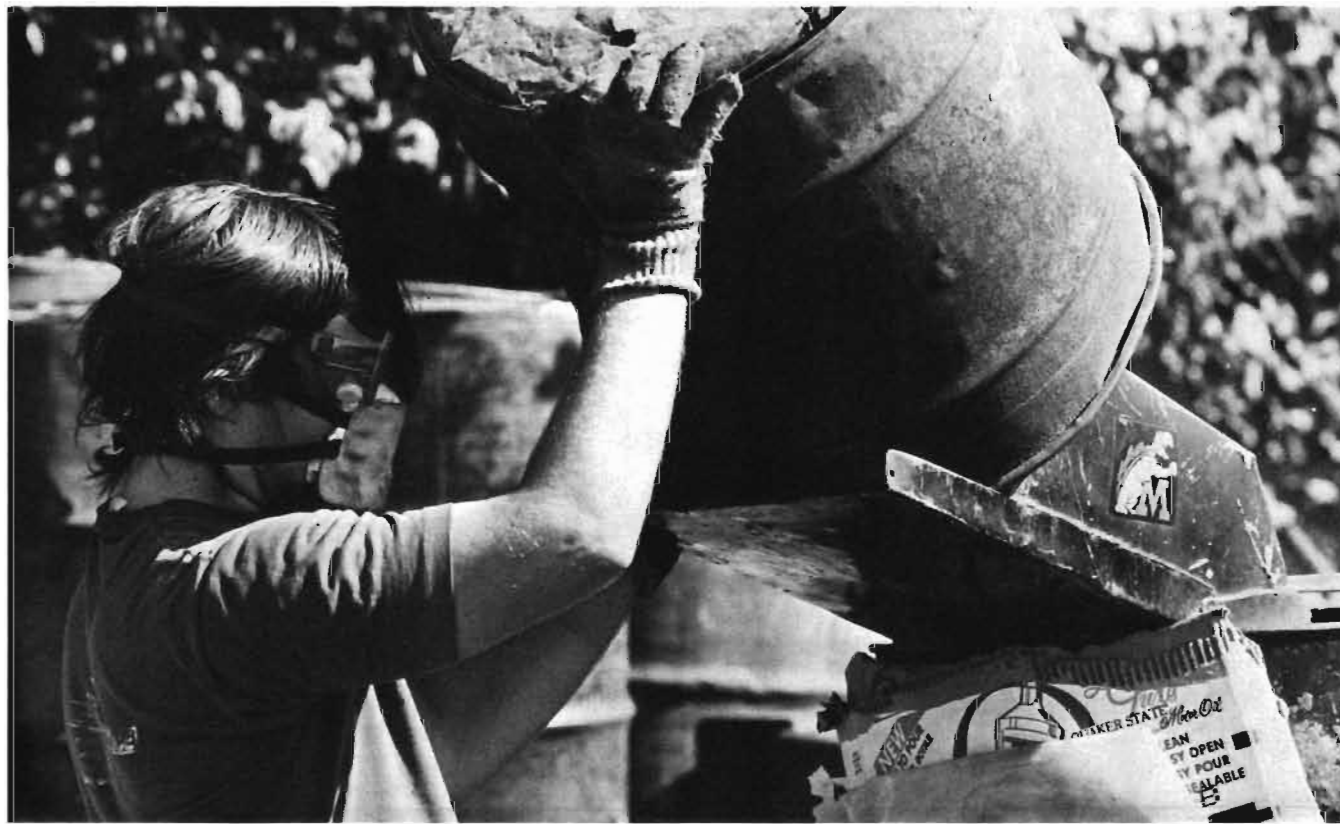
to the Hall of Fame will be announced at commencement or other major event and those elected will be recognized by a permanent display in the College. Names and qualifications of nominees, along with the name and address of the submitter, should be sent to: Stanford W. Berman, Chairman, Berman, Aisenberg & Platt, 1730 Rhode Island Ave. N.W., Washington, D.C. 20036-3186. Telephone: 293-1404.

Admissions Programs Available

UMCP faculty and staff with children who are seniors in high school are reminded that the Office of Undergraduate Admissions offers a number of informational programs for prospective students. First-Glance sessions are offered each weekday and at least one Saturday each month. Sessions include informal workshops on academic programs, resident life, commuter concerns and financial aid, along with a campus

tour. Terrapin Tours are held three times each weekday during the academic year, and Adopt-A-Student Visits match prospective students with current undergraduates for a day of attending classes, visiting dorms and taking part in extracurricular activities. UMCP Up Close gives students the chance to meet with faculty in their proposed major or with a student in the General Honors program. For info and reservations for any of these programs, call 454-6570.

Recycling Center Wastes Not



Glass must be crushed after separation. Volunteers wear protective masks to avoid breathing glass dust from their custom designed crusher.



The ECO van can be seen making pickups around campus.



Newspaper should be bagged or tied before drop-off to keep loose paper from blowing over campus.



Containers for crushed and separated glass.

PHOTOS BY: DAVID TROZZO

Last year, the students who comprise the campus Environmental Conservation Organization (ECO) recycled more than 350 tons of materials at their campus-based Recycling Center. Reclaimed were nearly 240 tons of newspaper, 40 tons of glass, 14 tons

of cardboard, 66 tons of high-grade paper, 9 tons of tin, 2 tons of bi-metal, and 2 tons of aluminum—not bad for an all-student, all-volunteer group. Much of the recycling was carried out on-campus, but the

Center, which is located across the street from the Motor Pool, is also open on Sundays from 10 a.m. to 3 p.m. to receive material from the College Park community. ECO hopes to top the 400-ton mark this year

and to purchase a garbage truck to help with collection.

For more information, visit the ECO office in Room 1211N of the Stamp Student Union or call 454-7325. ■

FYI

Assistance a Phone-call Away

The Faculty-Staff Assistance Program offers assessment, short-term counseling, and referral services to all faculty and staff. In addition, consultation is available to supervisors on ways to deal with employees whose personal problems affect their work. The services are confidential and available at no charge. Appointments may be made by calling 454-4855 between 9 a.m. and 5 p.m., Mon-Fri.

Jackson Named to New Post

Diana Jackson was recently appointed

assistant to the dean of the College of Behavioral and Social Sciences. She had been assistant director of Campus Activities and is the chair of the Chancellor's Commission on Women's Affairs.

Maley, Beatty Honored

Donald Maley (chairman, ITOE) received the Award of Excellence of the Technology Education Association of Maryland during the Association's recent conference in Hagerstown. Charles Beatty was presented with a Certificate of Ap-

preciation for his extensive service in the promotion and implementation of technology education in the state.

Toward Closer Ties Available

The new edition of *Toward Closer Ties*, the UM public service directory, is now available. Produced by the Institute for Governmental Service, the unique UM system guidebook can be purchased at \$5 per copy or at \$2.50 each for bulk quantities of two or more. For info, call editor Mary Ann Elliott at 454-3000.

Lewis on "An Avenue by Design"

Roger K. Lewis (Arch.) will deliver a speech at the Dec. 9 meeting of The Wisconsin Avenue Business Association at 4:30 p.m. in the Georgetown Holiday Inn. Author of a weekly column in *The Washington Post*, Lewis will discuss "An Avenue by Design," highlighting his views concerning past, present and future development along Wisconsin Avenue from Georgetown to Western Ave.